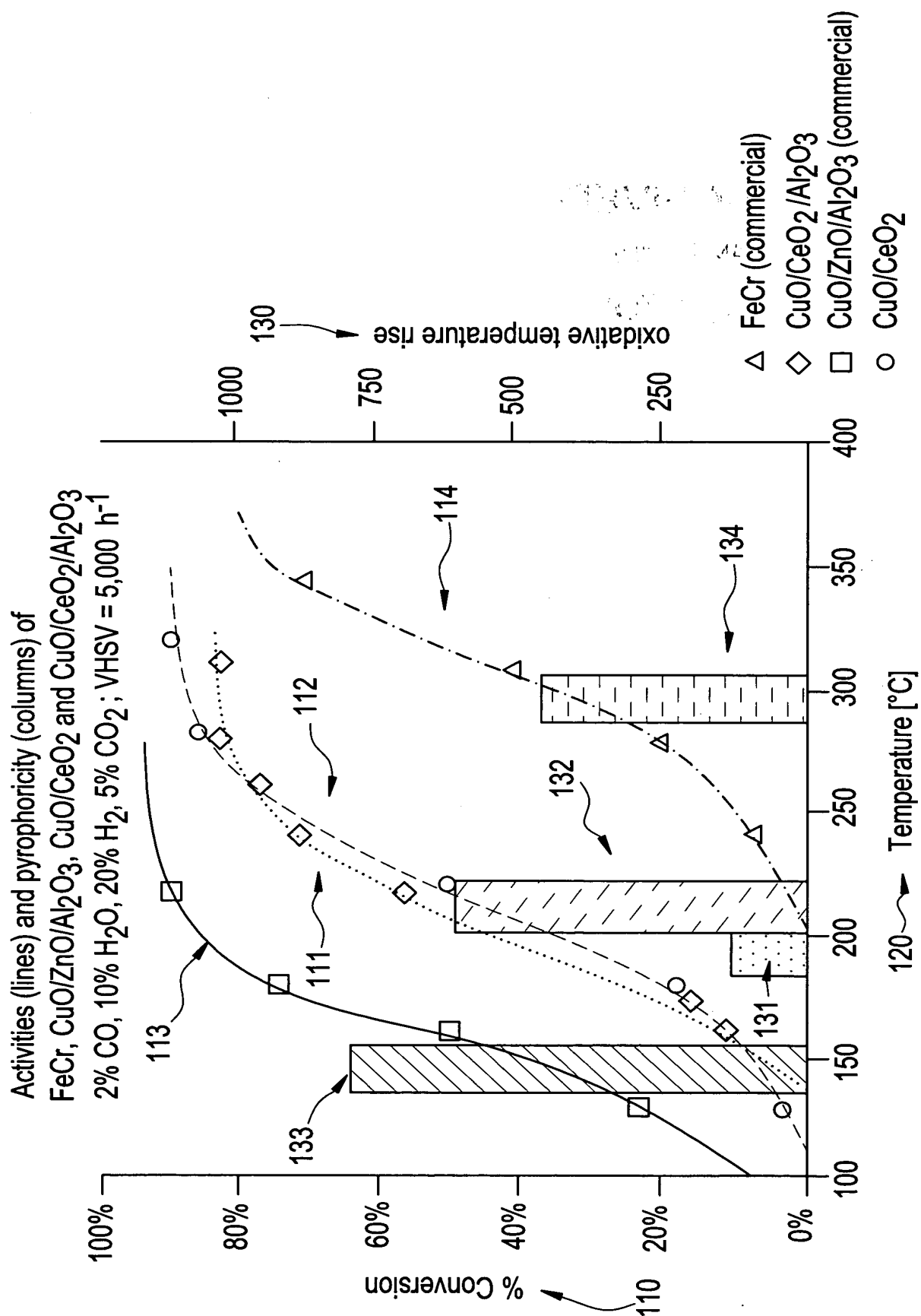


FIG. 1



# FIG. 2

Comparison of activity (lines) and pyrophoricity (columns) of  
 $\text{Pt/CeO}_2$  and  $\text{Pt/CeO}_2/\text{Al}_2\text{O}_3$  catalysts  
 0.5% CO, 20%  $\text{H}_2$ , +10%  $\text{H}_2\text{O}$ , WHSV= 24,000  $\text{h}^{-1}$

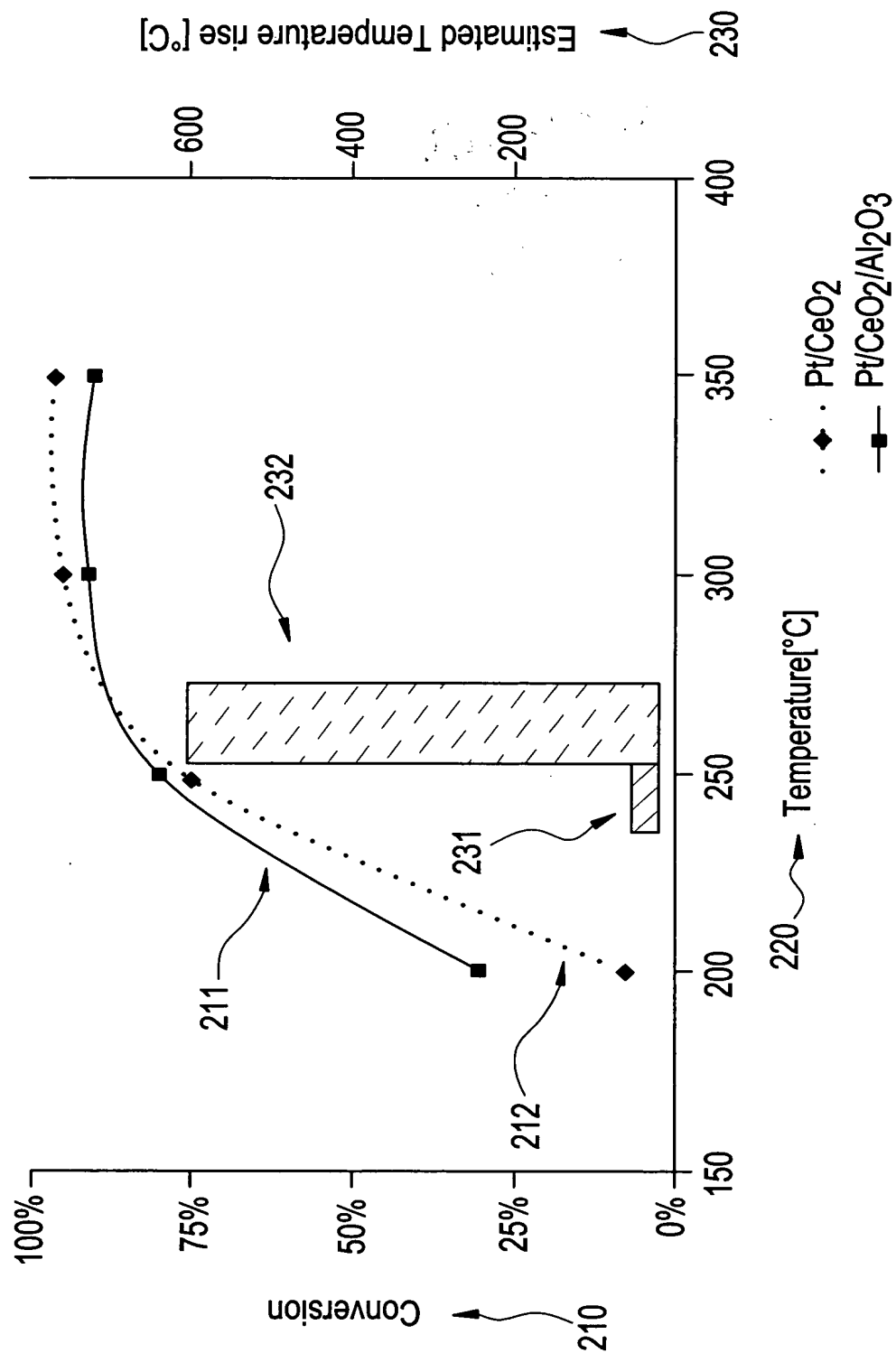
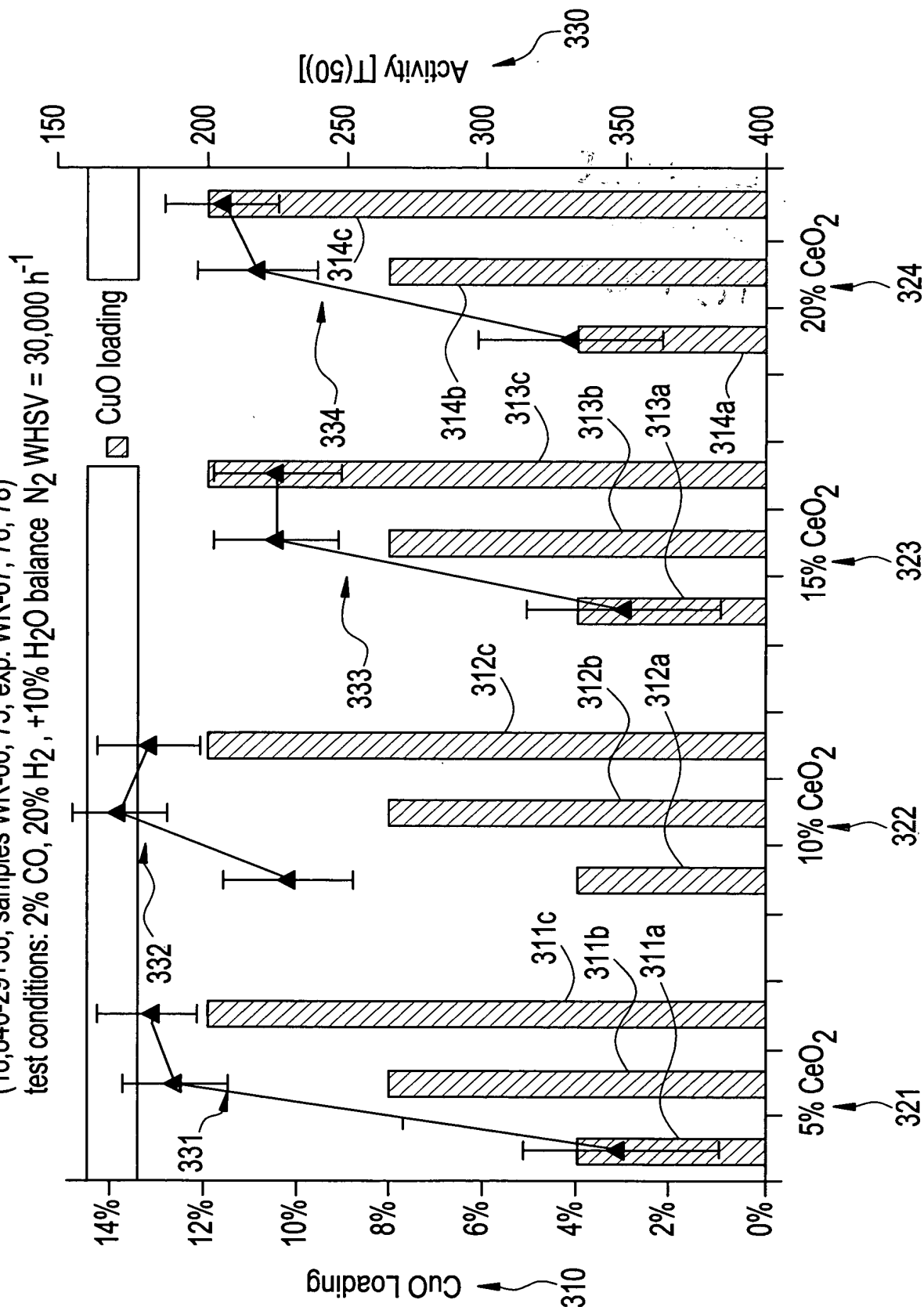


FIG. 3

Dependence of WGS activity on Ce- and Cu-loading  
 (18,846-29+38, samples WR-66, 75, exp. WR-67, 76, 78)  
 test conditions: 2% CO, 20% H<sub>2</sub>, +10% H<sub>2</sub>O balance N<sub>2</sub> WHSV = 30,000 h<sup>-1</sup>



# FIG. 4

Effect of Ce and Pt loading on the activity of Pt/CeO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub> catalysts  
 0.5% CO, 20% H<sub>2</sub>, +10 % H<sub>2</sub>O, WHSV=24,000 h<sup>-1</sup>

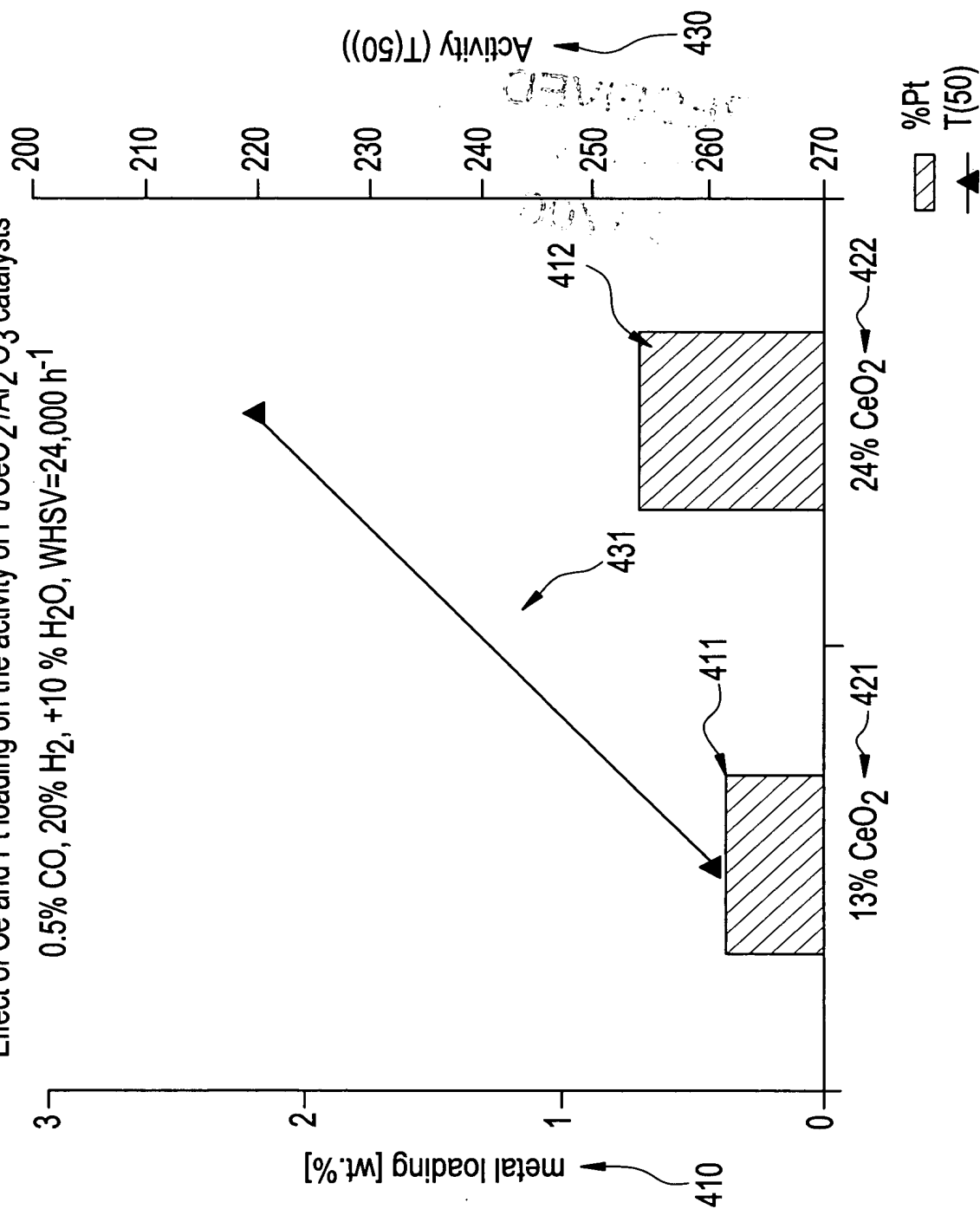


FIG. 5

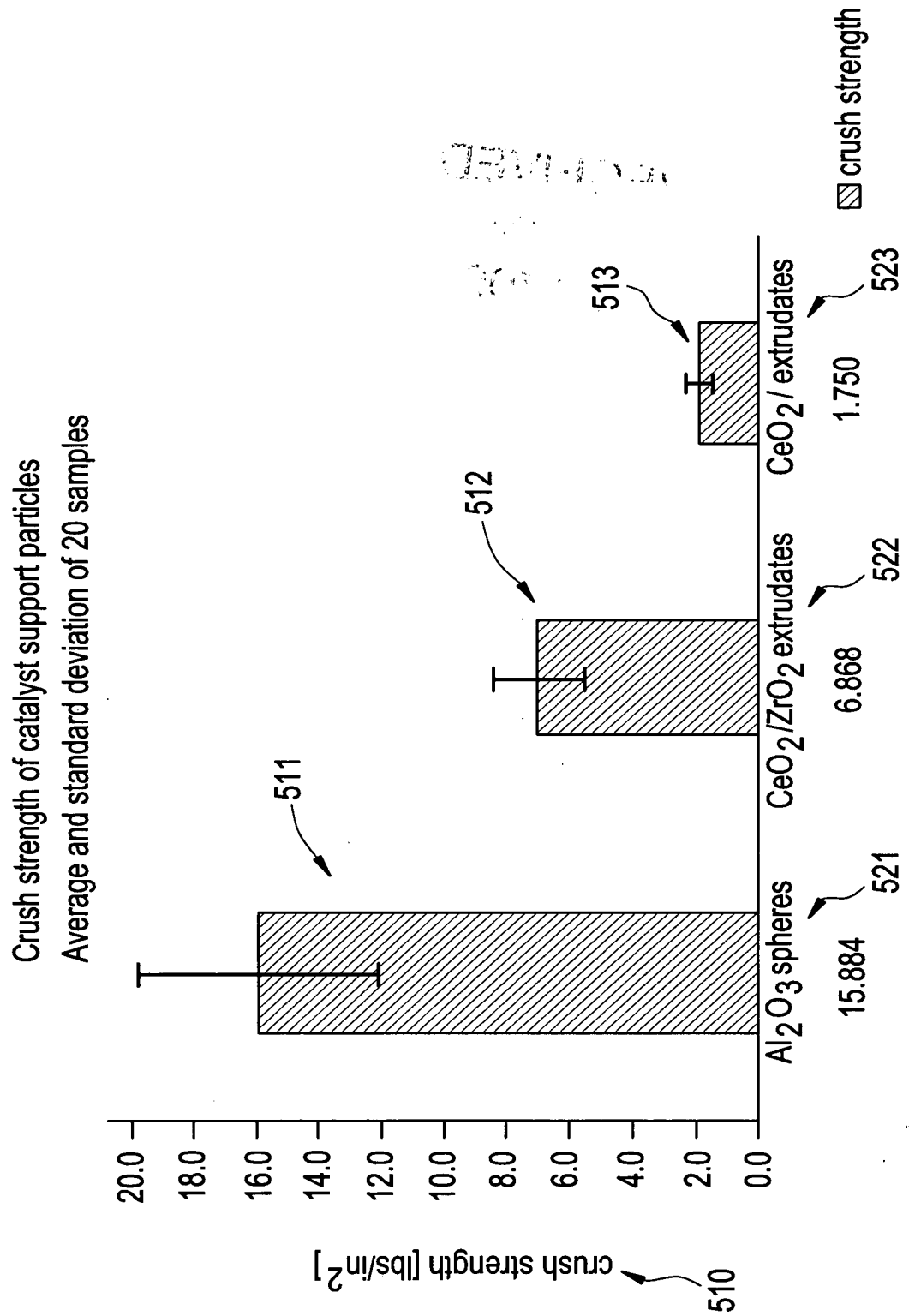


FIG. 6

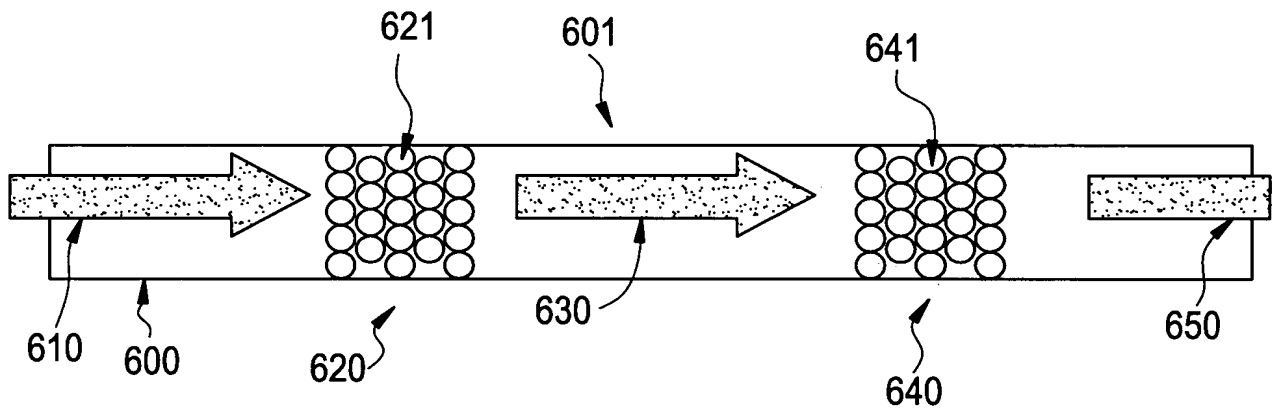


FIG. 7

Effect of  $\text{Cr}_2\text{O}_3$  Level on the Catalytic  
Activity of  $\text{CuO}/\text{Al}_2\text{O}_3$  WGS Reaction Catalysts

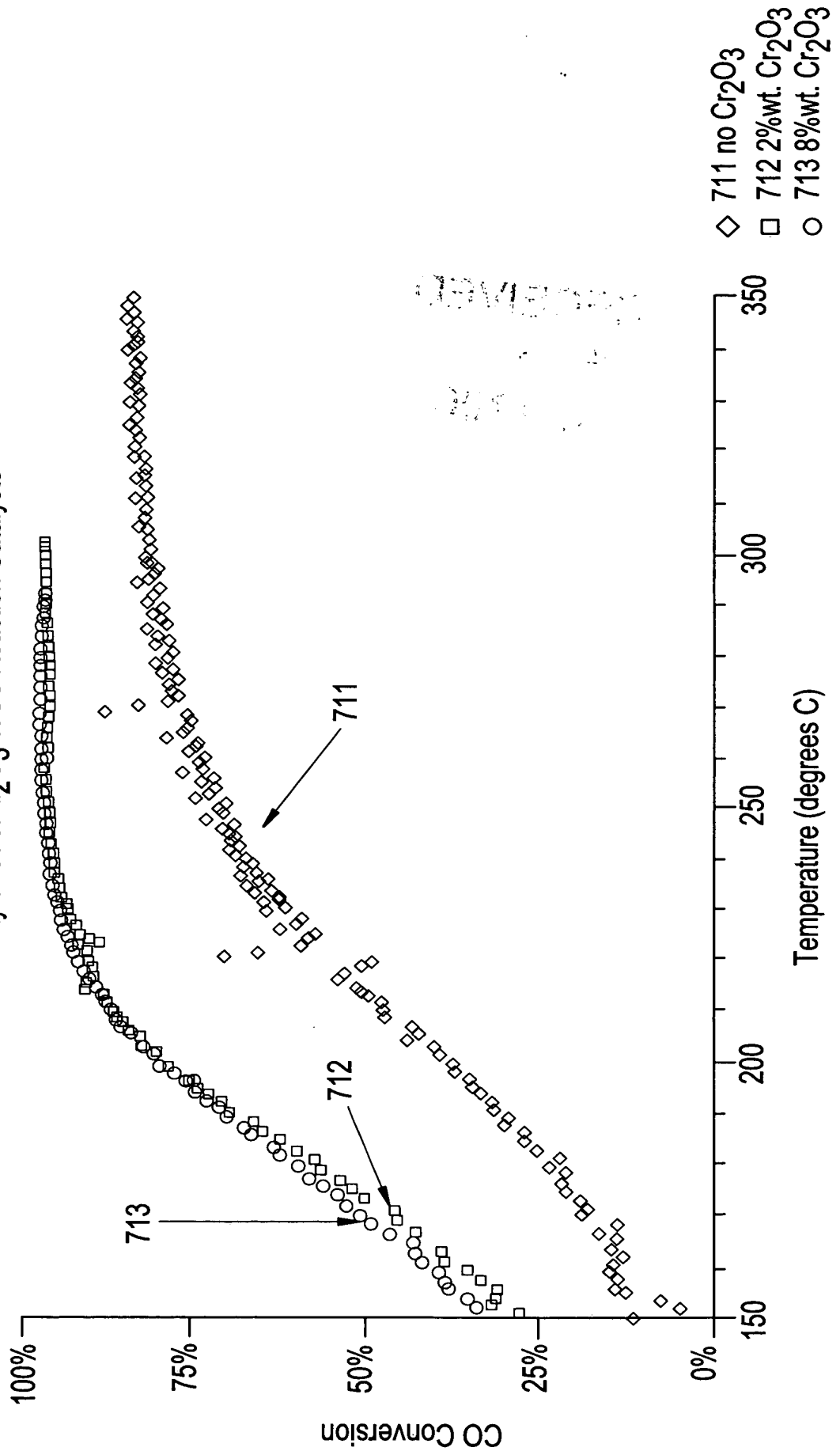


FIG. 8

Effect of  $\text{Cr}_2\text{O}_3$  Level on the Catalytic Activity of  
 $\text{CuO/CeO}_2/\text{Al}_2\text{O}_3$  WGS Reaction Catalysts

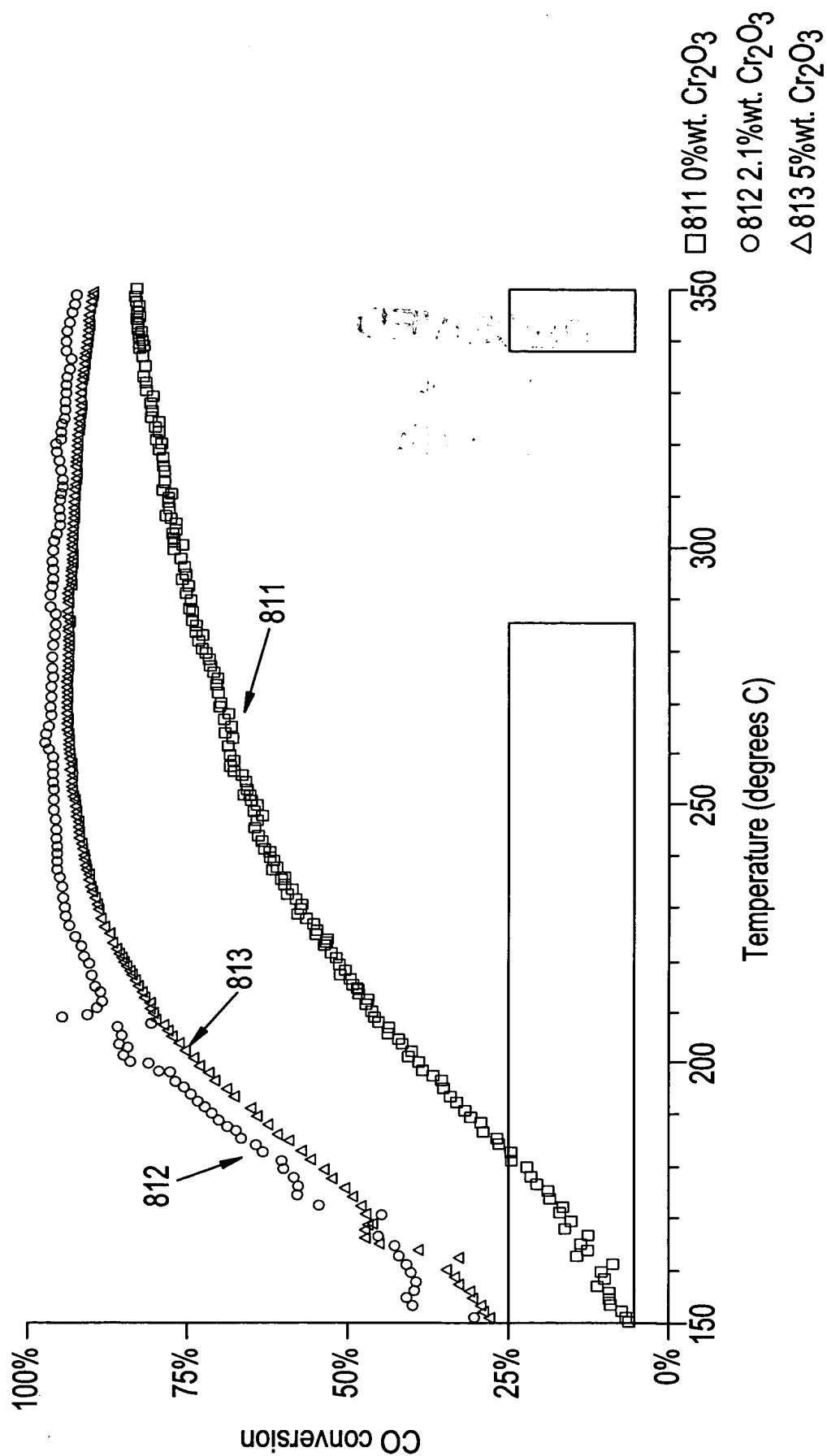




FIG. 9

Effect of the Sequence of Synthetic Steps on the  
Catalytic Activity of  $\text{CuO/Cr}_2\text{O}_3/\text{CeO}_2/\text{Al}_2\text{O}_3$  WGS  
Reaction Catalysts

